

ITS ACTIVE TRAFFIC OPERATIONS

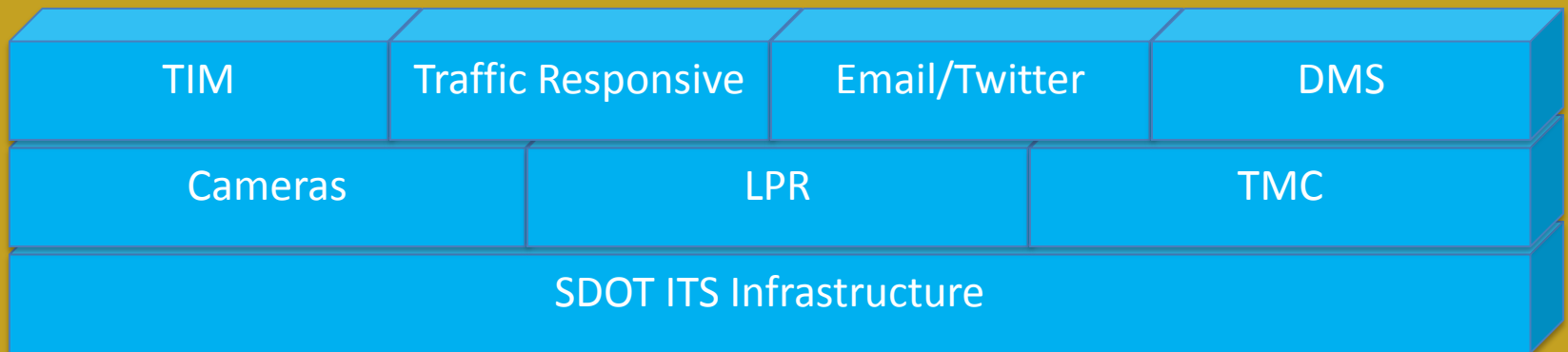


➤ ITS Active Traffic Operations

- Incident Management
- Automated Operations
- Real Time Information

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➤ Incident Management

TMC Response

- Coverage M – F 0700-1800
- Incident Messages Distribution
 - DMS
 - TIM
 - E-mail (internal/external)
 - Tweet
- Signal Timing Adjustment



➤ Incident Management

Automated Response

- Coverage 24/7
- Congestion Level Reflected in TIM
- Travel Times Posted to DMS, TIM
- Signal Timing Adjustment

➤ Automated Operations

Traffic Responsive Signal Timing

- Signal timing patterns self-adjust based on traffic volume
- Three corridors will be outfitted with TR operations
 - *1st Ave South (Royal Brougham – Spokane)*
 - *4th Ave South (Weller - E Marginal)*
 - *15th Ave W (South of the Ballard Bridge to Elliott & Harrison)*

➤ Automated Operations

Travel Time On DMS

- Travel times posted to DMS's during peak periods
 - *6:00am – 9:00am*
 - *3:00pm – 7:00pm*
- Congestion status automatically triggers travel time posting outside peak periods
- 8 corridors outfitted with license plate readers to deliver travel time information

➤ Automated Operations

Bridge Status Messaging On DMS

- 1st Ave S, Ballard and W.S Swing bridges post bridge status messages on 9 DMS's

Bridge Recovery Timing Pattern

— (*1st Ave South bridge*)

- Recovery timing pattern deployed after an opening

➤ Automated Operations

Quick Response

- Colman Dock Ferry Terminal Recovery
- Seattle Center Post event
- Rail Road queue recovery
 - *S Holgate Street*

➤ Real-Time Information

Traveler's Information Map (TIM)

- Camera Images (130 CCTV)
- Congestion Level Indication (10 major arterial corridors)
- Travel Time (8 corridors)
- Incident Information as it arrives at TMC
- Planned Construction and Event Information

➤ Real-Time Information Provided

Tweeting & E-Mail functions

- Expanded tweeting and e-mail postings include information on incidents, bridge activities, and traffic delays

➤ Real-Time Information Provided

Dynamic Message Signs

- Bridge Status
- Traffic Incidents
- Planned Events
- Travel Time

ITS ACTIVE TRAFFIC OPERATIONS

